

[REDACTED] PN - SU1787773 A1 19930115

PD - 1993-01-15

PR - SU19904904331 19901123

OPD- 1990-11-23

TI - METHOD FOR PREPARING WOOD ANTISEPTIC

IN - LEMETS VLADIMIR I (SU);GRISHAEV IGOR G (SU);CHORNetskaya YAROSLAVA D (SU);
YURCHENKO MARIYA I (SU)

PA - NII UDOBRENIYAM INSEKTOFUNGITS (SU)

IC - B27K3/16 ; B27K3/32

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TI - Prodn. of antiseptic compsn. for wood - involves using spent soln. from electrolytic chromating baths as chromium-contg. component

PR - SU19904904331 19901123

PN - SU1787773 A1 19930115 DW199407 B27K3/16 003pp

PA - (FERT-R) FERTILIZERS INSECTOFUNGICIDES RES INST

IC - B27K3/16 ;B27K3/32

IN - CHORNetskaya YA D; GRISHAEV I G; LEMETS V I

AB - SU1787773 Method comprises prepn. of mixt. of CuSO₄.5H₂O, water, boric acid, epsomite and chromium-contg. component comprising spent soln. from electrolytic chromating bath and has content of chromium anhydride of 200-300 g/l. Spent soln. from electrolytic chromating bath is used in amt. of 15-20 wt.% per total wt. of mixt. Lower threshold of conc. is selected to ensure pH of antiseptic of no more than 2. 1 since antiseptic properties deteriorate at higher pH levels.

- Mixt. is prep'd. by mixing 5459 kg of water at 35-40 deg.C with 1800 kg of spent chromating soln.. 287 kg of boric acid, 65 kg of copper sulphate and 1721 kg of epsomite, to produce 10232 kg of wood antiseptic mixt., contg. (in wt.%): chromium (4.4), copper (3.0), boron (1.6), magnesium (2.7) and sulphates (10.1).

- USE/ADVANTAGE - In wood processing industry, as the method of prodn. of wood antiseptic. The method simplifies technology owing to reduced number of mixing operations, elimination of use of sulphuric acid, and replacement of highly toxic sodium bichromate powder with chromium-contg. soln.. The cost is lowered owing to utilisation of industrial waste as chromium-contg. component.

Bul.37-38/15.1.93.(Dwg.0/0)

OPD- 1990-11-23

AN - 1994-055575 [07]



(19) **SU** (11) **1 787 773** (13) **A1**
(51) МПК

ГОСУДАРСТВЕННЫЙ КОМИТЕТ ПО
ДЕЛАМ ИЗОБРЕТЕНИЙ И ОТКРЫТИЙ

(12) ОПИСАНИЕ ИЗОБРЕТЕНИЯ К АВТОРСКОМУ СВИДЕТЕЛЬСТВУ
СССР

(21), (22) Заявка: 4904331, 23.11.1990

(46) Дата публикации: 15.01.1993

(56) Ссылки: Химическая энциклопедия, т. 1, М.:
Советская энциклопедия, 1983, стр. 180.

(98) Адрес для переписки:
11 117333 МОСКВА, ЛЕНИНСКИЙ ПР-Т 55

(71) Заявитель:
НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ ИНСТИТУТ
ПО УДОБРЕНИЯМ И ИНСЕКТОФУНГИЦИДАМ
ИМ.ПРОФ.Я.В.САМОЙЛОВА

(72) Изобретатель: ГРИШАЕВ ИГОРЬ
ГРИГОРЬЕВИЧ,
ЛЕМЕЦ ВЛАДИМИР ИВАНОВИЧ, ЧОРНЕЦКАЯ
ЯРОСЛАВА ДМИТРИЕВНА, ЮРЧЕНКО МАРИЯ
ИОСИПОВНА 11 117588 ІІІНІА, ЇІІІІІІІІІ
А-Д 18-18111 285246 ІІІІІІІІІІ, АІІІІІІІІІ 38-2811
285246 ІІІІІІІІІ, АІІІІІІІІІ 18511 285246
ІІІІІІІІІ, АІІІІІІІІІ 69-6

(54) Способ получения антисептика древесины

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